



MASSACHUSETTS  
BAY  
TRANSPORTATION  
AUTHORITY

---

# **TECHNICAL SPECIFICATION**

## **EE&QA-926**

---

### **RIGHT OF WAY VACUUM TESTING**

**ISSUED:**

**REVISION: 1.0**

**EQUIPMENT ENGINEERING AND QUALITY ASSURANCE**



**Equipment Engineering and Quality Assurance  
Technical Specification**

Specification:  
EE&QA-926

**RIGHT OF WAY VACUUM TESTING**

**Page 2 of 6**

Release Date:

Revision Date:

Revision: 1.0

**TABLE OF CONTENTS**

REVISION HISTORY .....	3
1.0 PURPOSE .....	4
2.0 BIDDER QUALIFICATIONS AND BID REQUIREMENTS .....	4
3.0 DESCRIPTION OF EQUIPMENT .....	5
4.0 SCOPE OF WORK .....	5
5.0 APPROVALS .....	6



**Equipment Engineering and Quality Assurance  
Technical Specification**

Specification:  
EE&QA-926

RIGHT OF WAY VACUUM TESTING

Page 3 of 6

Release Date:

Revision Date:

Revision: 1.0

**REVISION HISTORY**

Revision Number	Revision Date	Revised sections	Description, Reason for changes
1.0		-	Initial Release for Review





**Equipment Engineering and Quality Assurance  
Technical Specification**

Specification:  
EE&QA-926

**RIGHT OF WAY VACUUM TESTING**

Page **4** of **6**

Release Date:

Revision Date:

Revision: 1.0

**1.0 PURPOSE**

- 1.1 The Massachusetts Bay Transportation Authority (MBTA), herein referred to as the Authority, needs to procure a qualified vendor, herein referred to as Contractor, to vacuum leaves and debris, one-time, along the Authority's Green Line with a Hi-Rail Vacuum Truck. This contract is to support the Authority in understanding capacity needs for a new vacuuming system.
- 1.2 The contract is not expected to exceed 4 days; one day for inspection, one day for vacuuming right of way, one day for offloading vacuumed debris and one day for contingency.
- 1.3 Details for each day will be provided by MBTA.
- 1.4 The MBTA cannot verify the presence of or lack of any hazardous material.

**2.0 BIDDER QUALIFICATIONS AND BID REQUIREMENTS**

- 2.1 The Contractor selected by the Authority shall adhere to all the requirements set forth by the Authority in this Specification. Any deviations from the Authority's requirements, as well as other proposals presented by the Contractor, must be submitted in writing to the MBTA for approval prior to proceeding. The Authority intends to take all suggestions regarding methods for vehicle removal that are proposed by the selected Contractor into consideration. The Contractor shall be held responsible for any excessive damages to the Authority's infrastructure that occur during the loading and removal of the vehicle. The Authority reserves the right to access any damages that occur and charge the Contractor accordingly. The Contractor shall acquire, at his/her cost, all permits required to transport these vehicles over public roadways. The Contractor shall submit all pick plans to MBTA Safety for review if a crane system will be utilized. The Contractor shall adhere to these terms, as well as all local, state, and federal laws when the contract is awarded.
- 2.2 The Contractor must be MBTA "Right of Way" Trained and has previously worked on MBTA property.
- 2.3 The Contractor must be a qualified environmental services company.
- 2.4 The Contractor shall provide all labor, services, equipment, materials, training, and any other required resources to safely vacuum and dispose the leaves and debris along the mutually agreed section of track. This includes but is not limited to ensuring that all personnel in the work area are always fitted with the appropriate Personal Protective Equipment (PPE).



**Equipment Engineering and Quality Assurance  
Technical Specification**

Specification:  
EE&QA-926

**RIGHT OF WAY VACUUM TESTING**

Page **5** of **6**

Release Date:

Revision Date:

Revision: 1.0

**3.0 DESCRIPTION OF EQUIPMENT**

**3.1 Hi Rail Truck:**

- 3.1.1 The height of the Hi Rail truck must be no more than 13'4" tall.
- 3.1.2 The width of the Hi Rail truck must be no more than 8'-2" wide.
- 3.1.3 The Hi Rail gauge must be 53"
- 3.1.4 The Hi Rail Truck must be compliant with 49 CFR 214.523.

**3.2 Vacuum System**

- 3.2.1 The vacuum tank must be at least 17 cubic yards.
- 3.2.2 The vacuum tank USDOT certified to handle RCRA hazardous waste.
- 3.2.3 The vacuum system must be equipped with at least a 6400 CFM blower.
- 3.2.4 The vacuum system must be equipped with at least a 50' hose.

**4.0 SCOPE OF WORK**

- 4.1 The Hi Rail truck must be inspected and accepted by the Authority, at an Authority's Rail yard, prior to vacuuming the right of way.
- 4.2 The vacuum services will occur on a mutually agreed date between the Contractor and Authority before June 2022. The services must be completed during non-revenue service hours, between 11 PM and 4 AM.
- 4.3 The locations to be vacuumed are to be determined but will take place on the green line. The vacuuming services will take place on the Green Line covering no more than 5 miles.
- 4.4 The contractor must coordinate and follow Authority's direction while on the Authority's right of way.
- 4.5 The contractor must offload vacuumed material at a mutually agreed location.





**Equipment Engineering and Quality Assurance  
Technical Specification**

Specification:  
EE&QA-926

RIGHT OF WAY VACUUM TESTING

Page 6 of 6

Release Date:

Revision Date:

Revision: 1.0

**5.0 APPROVALS**

Prepared By:

Date: 3/24/2022

Hatch LTK  
MBTA Consultant

Reviewed By:

Date: 4/5/2022

Jay Berry – Deputy Director Heavy Rail  
Maintenance

Approved By:

Date: 4/5/2022

Michael F. Walsh – Director  
Subway Maintenance and Engineering